

REMARKS/ARGUMENTS

Claims 1-12 are pending in this application. In view of this Amendment reexamination and reconsideration are respectfully requested.

The Examiner noted that the IDS was incorrectly listed the name of the inventor for the Nakayama et al patent. If this statement means a new IDS is required, the Examiner is requested to please indicate this requirement in the next office action.

The Examiner objected to the drawings. New formal drawings have been submitted to the Office of Draftspersons, and a copy of the drawings is included with this amendment. Applicant believes the changes requested by the Examiner have been incorporated.

The Examiner rejected claims 1-12 under 35 U.S.C. § 102(b) as being anticipated by Smith et al. (5,046,024). Applicant traverses the Examiner's finding of anticipation and believes the cited art does not teach or suggest the claimed invention.

Smith et al describes a software system that simulates a graphing calculator. Smith does not teach or discuss providing transformations to the user to assist the user in finding the solution to a mathematical problem. The Examiner has cited column 2, lines 18-36 for the limitation of "expert programming which provides a set of transformation for a mathematical object that the user can chose from and apply to the mathematical object to produce the next step in a solution to the problem." Applicant believes this section of the Smith does not in any way teach or suggest this concept.

This section talks about programs that allow an engineer to describe a circuit with various elements and then simulate that circuit.


In contrast to the cited sections of Smith, the present invention is about assisting a user in solving a mathematical problem. The user interface gives the user a set of mathematical transformations that can be applied to the problem, and allows the user to select a transformation and apply it to the problem. The cited art in Smith does not even discuss transformations, allowing the user to select a transformation, or even describe or relate to solving a mathematical problem by the user. Smith deals with displaying the graphical solution of the problem by the computer.

Similarly, the rejections by the Examiner of the other claims have the same faulty arguments.

In view of the above, Applicants respectfully request withdrawal of the Examiner's rejection and allowance of the pending claims. If the Examiner has any questions or other correspondence regarding this application, Applicants request that the Examiner contact Applicant's attorney at the below listed telephone number and address.

Respectfully submitted,

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